

**Abstract of the Invention**

A methodology of reducing process algebra to a language that facilitates modeling a business workflow process is provided. A process algebra is reduced to a model for business workflow processes. The model is then reduced to a scheduling programming language to allow users to create models of business process by selecting between features of the model and conventional modeling features. The scheduling programming language can be represented as a graphical user interface program that is convertible to a schedule language written in a programmable language. The present invention provides for explicitly representing parallelism within the business workflow process by separating interdependent transactions from independent transactions. The isolation of certain transactions are relaxed, such that users can define transactional boundaries in order to increase granularity of the transaction at an action level and provide visibility of transactions at intermediate steps.

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